Media Grade: 5  
Type: Iso Pressed Tube  
Alloy: 316LSS  
Inside Diameter: 0.375 inches  
Outside Diameter: 0.500 inches  
Issued: 06/25/10

**Manufacturing Specifications**

- Bubble Point, inch water: 13.0 - 16.9
- Minimum Tensile, kpsi: 8.3
- Yield Strength, kpsi: 7.6
- Young’s Modulus, x 10^6 psi: 3.7

**Permeability Coefficient**

- Liquid: $K_L$ 2.4
- Gas: $K_G$ 11

**Particle Removal Efficiency**

- **Liquid Efficiency**
  - 90% at 5 µm
  - 99% at 8 µm
  - 99.9% at 13 µm

- **Gas Efficiency**
  - 90% at 0.8 µm
  - 99% at 2 µm
  - 99.9% at 5 µm

**Notes:**

1. Tests run at 70 °F
2. Tests run with water, other curves generated using Liquid Formula

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### Pressure Drop Formulas

**Liquid:**

$$P_{drop, \text{liquid}} = (K_L) \times (\text{Flux, gpm/ft}^2) \times (\text{Visc, cp}) \times (\text{Thck, inch})$$

**Gas:**

$$P_{drop, \text{gas}} = (K_G) \times (\text{Flux, acfm/ft}^2) \times (\text{Visc, cp}) \times (\text{Thck, inch})$$

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### Notes:

1. Tests run with air at 70 °F

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**mott corporation**

84 Spring Lane, Farmington, CT 06032-3159  
860-747-6333 Fax 860-747-6739  
www.mottcorp.com

sheets are typical and should be used for general reference only.